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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10	CA/CAPplus enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPplus and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAPplus
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUL 14	FSTA enhanced with Japanese patents
NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAPplus(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAPplus enhanced with more pre-1907 records
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 13:48:55 ON 11 SEP 2006

=> file reg

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SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:49:12 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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=> s PGSGRSA/SQSP
L1 13 PGSGRSA/SQSP

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.89	29.10

FILE 'CAPLUS' ENTERED AT 13:49:30 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/infopolicy.html>

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L2 13 L1

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7119107 PY>1999
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6229315 PY>2000
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5290061 PY>2001
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3249455 PY>2003
L6 4 L2 NOT PY>2003

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L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:326645 CAPLUS
DOCUMENT NUMBER: 138:298934
TITLE: Nucleic acid and amino acid sequences relating to
Pseudomonas aeruginosa for diagnostics and
therapeutics
INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig;
Bush, David
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA
SOURCE: U.S., 455 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:326641 CAPLUS
DOCUMENT NUMBER: 138:298932
TITLE: Nucleic acid and amino acid sequences relating to
Pseudomonas aeruginosa for diagnostics and
therapeutics
INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig;
Bush, David
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA
SOURCE: U.S., 455 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6551795	B1	20030422	US 1999-252991	19990218

US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:808456 CAPLUS

DOCUMENT NUMBER: 137:321282

TITLE: Use of mouse genes encoding envelope interacting proteins EIP-1 and EIP-3 for gene therapy using retroviral vectors

INVENTOR(S): Goff, Stephen P.; Li, Xingqiang

PATENT ASSIGNEE(S): The Trustees of Columbia University In the City of New York, USA

SOURCE: U.S., 53 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6469153	B1	20021022	US 1998-82358	19980520
PRIORITY APPLN. INFO.:			US 1998-82358	19980520
REFERENCE COUNT:	16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:565218 CAPLUS

DOCUMENT NUMBER: 135:163405

TITLE: Nucleic acids and their encoded polypeptides from human fetus

INVENTOR(S): Yeung, George; Ford, John E.; Boyle, Bryan J.; Arterburn, Matthew C.; Drmanac, Radoje A.; Tang, Y. Tom; Liu, Chenghua; Asundi, Vinod; Zhou, Ping; Werhman, Tom

PATENT ASSIGNEE(S): Hyseq, Inc., USA; Tang, Y Tom; et al.

SOURCE: PCT Int. Appl., 715 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 126

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001055339	A2	20010802	WO 2001-US2723	20010125
WO 2001055339	A3	20020510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001033047	A5	20010807	AU 2001-33047	20010125
PRIORITY APPLN. INFO.:			US 2000-491404	A 20000125
			US 2000-663870	A 20000915
			US 2000-707351	A 20001106

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880795 PY>2005
L8 11 L2 NOT PY>2005

=> s 18 not 17
L9 7 L8 NOT L7

=> d ibib 1-7

L9 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1178956 CAPLUS

DOCUMENT NUMBER: 143:417035

TITLE: Insights into genome plasticity and pathogenicity of the plant pathogenic bacterium *Xanthomonas campestris* pv. *vesicatoria* revealed by the complete genome sequence

AUTHOR(S): Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger, Carolin; Boch, Jens; Buettner, Daniela; Caldana, Camila; Gaigalat, Lars; Goesmann, Alexander; Kay, Sabine; Kirchner, Oliver; Lanz, Christa; Linke, Burkhard; McHardy, Alice C.; Meyer, Folker; Mittenhuber, Gerhard; Nies, Dietrich H.; Niesbach-Kloesgen, Ulla; Patschkowski, Thomas; Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne; Schuster, Stephan C.; Vorhoelster, Frank-Joerg; Weber, Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela; Kaiser, Olaf

CORPORATE SOURCE: Institut fuer Genetik, Martin-Luther-Universitaet, Halle, D-06120, Germany

SOURCE: Journal of Bacteriology (2005), 187(21), 7254-7266
CODEN: JOBAAY; ISSN: 0021-9193

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L9 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:421785 CAPLUS

DOCUMENT NUMBER: 142:469183

TITLE: Heparin-binding growth factor modified protein matrices containing XIIIa substrate domain for tissue repair, regeneration, remodeling and/or drug delivery

INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.; Sakiyama-Elbert, Shelly E.

PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.; Universitat Zurich

SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
REFERENCE COUNT:	76	THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L9 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:859423 CAPLUS

DOCUMENT NUMBER: 139:359916

TITLE: Genome of cyanophage S-2L, genes for 2,6-diaminopurine and 2,6-diaminopurine nucleotide biosynthesis, and encoded proteins

INVENTOR(S): Marliere, Philippe; Kaminski, Pierre Alexandre; Galisson, Frederique; Bouzon, Madeleine; Pochet, Sylvie; Weissenbach, Jean; Saurin, William; Robert, Catherine; Vico, Virginie

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche Scientifique CNRS; Genoscope - Centre National de Sequencage

SOURCE: Fr. Demande, 423 pp.
CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2839079	A1	20031031	FR 2002-5424	20020430
CA 2483706	AA	20031113	CA 2003-2483706	20030428
WO 2003093461	A2	20031113	WO 2003-FR1328	20030428
WO 2003093461	A3	20040401		
WO 2003093461	C1	20040624		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003249159	A1	20031117	AU 2003-249159	20030428
EP 1499713	A2	20050126	EP 2003-747467	20030428
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			FR 2002-5424	A 20020430
			WO 2003-FR1328	W 20030428
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L9 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:777435 CAPLUS

DOCUMENT NUMBER: 139:296919

TITLE: Growth factor modified protein matrices for tissue repair, regeneration, remodeling and/or drug delivery

INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;
 Sakiyama-Elbert, Shelly E.; Jen, Anna
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich
 Universitat Zurich, Switz.
 SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S.
 Ser. No. 563,760.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187232	A1	20031002	US 2002-323046	20021217
US 6894022	B1	20050517	US 2000-563760	20000501
US 2003166833	A1	20030904	US 2002-325021	20021218
JP 2005517658	T2	20050616	JP 2003-552958	20021218
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
			US 2001-24918	A2 20011218
			WO 2002-EP12458	A 20021107
			US 2002-323046	A2 20021217
			WO 2002-US41114	W 20021218

L9 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:320016 CAPLUS

DOCUMENT NUMBER: 138:316745

TITLE: Imaging the activity of extracellular proteases in
 cells using mutant anthrax toxin protective antigens
 that are cleaved by specific extracellular proteases,
 and diagnostic and drug screening applications

INVENTOR(S): Bugge, Thomas H.; Leppla, Stephen H.; Liu, Shi-Hui;
 Mitola, David

PATENT ASSIGNEE(S): The Government of the United States of America, as
 Represented by the Secretary of the Department of
 Health and Human Services, USA

SOURCE: PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033648	A2	20030424	WO 2002-US28397	20020905
WO 2003033648	A3	20040617		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2002359244	A1	20030428	AU 2002-359244	20020905
US 2005123476	A1	20050609	US 2003-488806	20020905
PRIORITY APPLN. INFO.:			US 2001-317550P	P 20010905
			WO 2002-US28397	W 20020905

ACCESSION NUMBER: 2001:582024 CAPLUS
 DOCUMENT NUMBER: 135:176459
 TITLE: Nucleic acids and their encoded polypeptides from human tissues
 INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Drmanac, Radoje T.
 PATENT ASSIGNEE(S): Hyseq, Inc., USA
 SOURCE: PCT Int. Appl., 1963 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 126
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057188	A2	20010809	WO 2001-US3800	20010205
WO 2001057188	A3	20020228		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1574520	A2	20050914	EP 2005-5504	20010202
EP 1574520	A3	20051221		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR			
AU 2001043142	A5	20010814	AU 2001-43142	20010205
US 2003100746	A1	20030529	US 2002-114500	20020401
US 2004219521	A1	20041104	US 2002-128558	20020422
US 2003224379	A1	20031204	US 2002-243552	20020912
US 2004053245	A1	20040318	US 2003-276774	20030624
US 2005059073	A1	20050317	US 2004-968674	20041019
PRIORITY APPLN. INFO.:			US 2000-496914	A 20000203
			US 2000-560875	A 20000427
			US 2000-488725	A2 20000121
			US 2000-491404	B2 20000125
			US 2000-543774	B1 20000405
			US 2000-552317	B2 20000425
			US 2000-215733P	P 20000628
			US 2000-721115	A 20001122
			WO 2000-US35017	A2 20001222
			US 2001-757562	B2 20010109
			WO 2001-US2623	A2 20010125
			EP 2001-908837	A3 20010202
			US 2001-266614P	P 20010205
			WO 2001-US3800	W 20010205
			WO 2001-US4927	A 20010226
			WO 2001-US4941	A 20010305
			US 2001-802704	B1 20010308
			WO 2001-US8631	A 20010330
			US 2001-282397P	P 20010405
			WO 2001-US8656	A 20010416
			WO 2001-US14827	A 20010516
			US 2001-894912	A1 20010628
			US 2001-322511P	P 20010913
			US 2001-339453P	P 20011211

L9 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:228924 CAPLUS

DOCUMENT NUMBER: 134:265140

TITLE: Mutated anthrax toxin protective antigen proteins that specifically target cells containing high amounts of cell-surface metalloproteinases or plasminogen activator receptors

INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Netzel-Arnett, Sarah; Hansen-Birkedal, Henning; Bugge, Thomas

PATENT ASSIGNEE(S): Government of the United States of America, as Represented by the Secretary, Department of Health and Human Services, USA

SOURCE: PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001021656	A2	20010329	WO 2000-US26192	20000922
WO 2001021656	A3	20020117		
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CA 2385122	AA	20010329	CA 2000-2385122	20000922
AU 2001025725	A5	20010424	AU 2001-25725	20000922
AU 771632	B2	20040401		
EP 1214340	A2	20020619	EP 2000-989184	20000922
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AT 283280	E	20041215	AT 2000-989184	20000922
PT 1214340	T	20050429	PT 2000-989184	20000922
ES 2233495	T3	20050616	ES 2000-989184	20000922
PRIORITY APPLN. INFO.:			US 1999-155961P	P 19990924
			WO 2000-US26192	W 20000922

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E1 THROUGH E48 ASSIGNED

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

26.62

55.72

FILE 'REGISTRY' ENTERED AT 13:52:20 ON 11 SEP 2006

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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	56.16

FILE 'CAPLUS' ENTERED AT 13:52:29 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> d his

(FILE 'HOME' ENTERED AT 13:48:55 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 13:49:12 ON 11 SEP 2006

L1 13 S PGSGRSA/SQSP

FILE 'CAPLUS' ENTERED AT 13:49:30 ON 11 SEP 2006

L2 13 S L1
L3 0 S L2 NOT PY>1999
L4 0 S L2 NOT PY>2000
L5 0 S L2 NOT PY>2001
L6 4 S L2 NOT PY>2003
L7 4 S L2 NOT PY>2004
L8 11 S L2 NOT PY>2005

L9 7 S L8 NOT L7
 SEL RN 2

FILE 'REGISTRY' ENTERED AT 13:52:20 ON 11 SEP 2006

FILE 'CAPLUS' ENTERED AT 13:52:29 ON 11 SEP 2006

=> d kwic l9 2

L9 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
IT 37520-01-7DP, fusion products 109081-50-7DP, fusion products
 607679-51-6DP, fusion products 607679-52-7DP, fusion products
 607679-53-8DP, fusion products 607679-54-9DP, fusion products
 607679-55-0DP, fusion products 607679-56-1DP, fusion products
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); USES (Uses)
 (amino acid sequence, protease substrate; heparin-binding growth factor
 modified protein matrixes containing XIIIa substrate domain for tissue
 repair, regeneration, remodeling and/or drug delivery)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.79	56.95

FILE 'REGISTRY' ENTERED AT 13:52:58 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 607679-56-1DP
L10 0 607679-56-1DP
 (607679-56-1DP/RN)

=> s 607679-56-1
L11 1 607679-56-1
 (607679-56-1/RN)

=> file his
'HIS' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'REGISTRY'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> d his

(FILE 'HOME' ENTERED AT 13:48:55 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 13:49:12 ON 11 SEP 2006

L1 13 S PGSGRSA/SQSP

FILE 'CAPLUS' ENTERED AT 13:49:30 ON 11 SEP 2006

L2 13 S L1

L3 0 S L2 NOT PY>1999

L4 0 S L2 NOT PY>2000

L5 0 S L2 NOT PY>2001

L6 4 S L2 NOT PY>2003

L7 4 S L2 NOT PY>2004

L8 11 S L2 NOT PY>2005

L9 7 S L8 NOT L7

SEL RN 2

FILE 'REGISTRY' ENTERED AT 13:52:20 ON 11 SEP 2006

FILE 'CAPLUS' ENTERED AT 13:52:29 ON 11 SEP 2006

FILE 'REGISTRY' ENTERED AT 13:52:58 ON 11 SEP 2006

L10 0 S 607679-56-1DP

L11 1 S 607679-56-1

=> s l1 and l2

L12 13 L1 AND L2

=> s l11 and l2

L13 1 L11 AND L2

=> d rn seq sql

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 607679-56-1 REGISTRY

SEQ 1 PGSGRSASG

=====

HITS AT: 1-7

SQL 9

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.49

63.44

FILE 'MEDLINE' ENTERED AT 13:54:21 ON 11 SEP 2006

FILE LAST UPDATED: 9 Sep 2006 (20060909/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).

See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s PGSGRSA

0 PGSGRSA
L14 0 PGSGRSA

=> file pctfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.39	63.83

FILE 'PCTFULL' ENTERED AT 13:54:36 ON 11 SEP 2006
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FILE LAST UPDATED: 8 SEP 2006 <20060908/UP>
MOST RECENT UPDATE WEEK: 200635 <200635/EW>
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.
SEE

<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE
(last updated April 10, 2006) <<<

>>> NEW PRICES IN PCTFULL AS OF 01 JULY 2006. FOR DETAILS,
PLEASE SEE HELP COST <<<

=> s PGSGRSA

L15 3 PGSGRSA

=> d ibib 1-3

L15 ANSWER 1 OF 3 PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER: 2005090393 PCTFULL ED 20051004 EW 200539
TITLE (ENGLISH): MULTIMERIC PROTEIN TOXINS TO TARGET CELLS HAVING
MULTIPLE IDENTIFYING CHARACTERISTICS
TITLE (FRENCH): TOXINES PROTEIQUES MULTIMERIQUES DESTINEES A CIBLER DES
CELLULES POSSEDANT PLUSIEURS CARACTERISTIQUES
D'IDENTIFICATION
INVENTOR(S): LEPPLA, Stephen H., 9501 Starmont Road, Bethesda,
Maryland 20817, US [US, US];
LIU, Shi-Hui, 14516 Settlers Landing Way, Gaithersburg,
Maryland 20878, US [CN, US];
BUGGE, Thomas H., 9802 Bristol Square Lane, Apt. #302,
Bethesda, Maryland 20814, US [DK, US]
PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY

THE SECRETARY OF HEALTH AND HUMAN SERVICES, National Institutes of Health, Office of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804, US [US, US], for all designates States except US;
 LEPPLA, Stephen H., 9501 Starmont Road, Bethesda, Maryland 20817, US [US, US], for US only;
 LIU, Shi-Hui, 14516 Settlers Landing Way, Gaithersburg, Maryland 20878, US [CN, US], for US only;
 BUGGE, Thomas H., 9802 Bristol Square Lane, Apt. #302, Bethesda, Maryland 20814, US [DK, US], for US only
 FANG, Carol A.\$, Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834\$, US

AGENT:

LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005090393	A2	20050929

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO
 CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
 HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
 MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
 RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US
 UZ VC VN YU ZA ZM ZW

RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
 LT LU MC NL PL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2005-US4216 A 20050209
 PRIORITY INFO.: US 2004-60/543,417 20040209

L15 ANSWER 2 OF 3 PCTFULL COPYRIGHT 2006 Univentio on STN
 2003033648 PCTFULL ED 20030430 EW 200317
 TITLE (ENGLISH): IMAGING THE ACTIVITY OF EXTRACELLULAR PROTEASES IN
 CELLS USING MUTANT ANTHRAX TOXIN PROTECTIVE ANTIGENS
 THAT ARE CLEAVED BY SPECIFIC EXTRACELLULAR PROTEASES
 TITLE (FRENCH): IMAGERIE DE L'ACTIVITE DE PROTEASES EXTRACELLULAIRES
 DANS DES CELLULES PAR UTILISATION D'ANTIGENES DE
 PROTECTION CONTRE LA TOXINE DU CHARBON MUTANTS QUI SONT
 CLIVES PAR DES PROTEASES EXTRACELLULAIRES SPECIFIQUES
 INVENTOR(S): BUGGE, Thomas, H., 9802 Bristol Square Lane, Apt. 302,
 Bethesda, MD 20814, US [US, US];
 LEPPLA, Stephen, H., 9501 Starmont Road, Bethesda, MD
 20817, US [US, US];
 LIU, Shi-Hui, 5114 Parklawn Terrace, Apt. 202,
 Rockville, MD 20852, US [CN, US];
 MITOLA, David, 902C South Charles Street, Baltimore, MD
 21230, US [US, US]

PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as
 represented by THE SECRETARY OF THE DEPARTMENT OF
 HEALTH AND HUMAN SERVICES, National Institutes of
 Health, Office of Technology Transfer, 6011 Executive
 Blvd., Suite 325, Rockville, MD 20852-3804, US [US,
 US], for all designates States except US;
 BUGGE, Thomas, H., 9802 Bristol Square Lane, Apt. 302,
 Bethesda, MD 20814, US [US, US], for US only;
 LEPPLA, Stephen, H., 9501 Starmont Road, Bethesda, MD

20817, US [US, US], for US only;
 LIU, Shi-Hui, 5114 Parklawn Terrace, Apt. 202,
 Rockville, MD 20852, US [CN, US], for US only;
 MITOLA, David, 902C South Charles Street, Baltimore, MD
 21230, US [US, US], for US only
 AGENT: PARENT, Annette, S.\$, Townsend and Townsend and Crew
 LLP, Two Embarcadero Center, Eighth Floor, San
 Francisco, CA 94111-3834\$, US
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE

	WO 2003033648	A2	20030424
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2002-US28397	A	20020905
PRIORITY INFO.:	US 2001-60/317,550		20010905

L15 ANSWER 3 OF 3 PCTFULL COPYRIGHT 2006 Univentio on STN
 ACCESSION NUMBER: 2001021656 PCTFULL ED 20020820
 TITLE (ENGLISH): MUTATED ANTHRAX TOXIN PROTECTIVE ANTIGEN PROTEINS THAT
 SPECIFICALLY TARGET CELLS CONTAINING HIGH AMOUNTS OF
 CELL-SURFACE METALLOPROTEINASES OR PLASMINOGEN
 ACTIVATOR RECEPTORS
 TITLE (FRENCH): PROTEINES ANTIGENES PROTECTRICES CONTRE LES TOXINES
 D'ANTHRAX AYANT SUBI UNE MUTATION, ET CIBLANT DES
 CELLULES PRESENTANT DE GRANDES QUANTITES DE
 METALLOPROTEINASES DE SURFACE CELLULAIRE OU DE
 RECEPTEURS D'ACTIVATEURS DU PLASMINOGENE
 INVENTOR(S): LEPPLA, Stephen, H.;
 LIU, Shi-Hui;
 NETZEL-ARNETT, Sarah;
 HANSEN-BIRKEDAL, Henning;
 BUGGE, Thomas
 PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATE OF AMERICA, as
 represented by THE SECRETARY, DEPARTMENT OF HEALTH AND
 HUMAN SERVICES;
 LEPPLA, Stephen, H.;
 LIU, Shi-Hui;
 NETZEL-ARNETT, Sarah;
 HANSEN-BIRKEDAL, Henning;
 BUGGE, Thomas
 DOCUMENT TYPE: Patent

	NUMBER	KIND	DATE

	WO 2001021656	A2	20010329
DESIGNATED STATES			
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK		

MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
 TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD
 SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
 DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
 CI CM GA GN GW ML MR NE SN TD TG
 APPLICATION INFO.: WO 2000-US26192 A 20000922
 PRIORITY INFO.: US 1999-60/155,961 19990924

=>

---Logging off of STN---

=>

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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.48	68.31

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page for STN Seminar Schedule - N. America
 NEWS 2 JUL 02 LMEDLINE coverage updated
 NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
 NEWS 4 JUL 02 CHEMCATS accession numbers revised
 NEWS 5 JUL 02 CA/CAPplus enhanced with utility model patents from China
 NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
 NEWS 7 JUL 18 CA/CAPplus patent coverage enhanced
 NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS 9 JUL 30 USGENE now available on STN
 NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
 NEWS 11 AUG 06 BEILSTEIN updated with new compounds
 NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition
 NEWS 13 AUG 13 CA/CAPplus enhanced with additional kind codes for granted patents
 NEWS 14 AUG 20 CA/CAPplus enhanced with CAS indexing in pre-1907 records
 NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
 NEWS 16 AUG 27 USPATOLD now available on STN

NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental
spectral property data

NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent
World Patents Index

NEWS 19 SEP 13 FORIS renamed to SOFIS

NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency

NEWS 21 SEP 17 CA/CAPLUS enhanced with printed CA page images from
1967-1998

NEWS 22 SEP 17 CAPLUS coverage extended to include traditional medicine
patents

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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FILE 'HOME' ENTERED AT 13:20:22 ON 20 SEP 2007

=> file reg

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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3

DICTIONARY FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s PGSGRSA/sqsp
L1 13 PGSGRSA/SQSP

=> file caplus
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ENTRY SESSION
FULL ESTIMATED COST 29.80 30.01

FILE 'CAPLUS' ENTERED AT 13:21:18 ON 20 SEP 2007
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FILE COVERS 1907 - 20 Sep 2007 VOL 147 ISS 13
FILE LAST UPDATED: 19 Sep 2007 (20070919/ED)

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=> s l1
L2 13 L1

=> d ibib 1-13

L2 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:657205 CAPLUS
DOCUMENT NUMBER: 145:152687
TITLE: Supplemented matrixes for the repair of bone fractures
INVENTOR(S): Schense, Jason; Watson, John; Arrighi, Isabelle
PATENT ASSIGNEE(S): Kuros Biosurgery A.-G., Switz.
SOURCE: U.S. Pat. Appl. Publ., 19 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006148704	A1	20060706	US 2006-327214	20060106
AU 2006204461	A1	20060713	AU 2006-204461	20060106
WO 2006072622	A2	20060713	WO 2006-EP50069	20060106
WO 2006072622	A3	20061123		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,

VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

EP 1833522 A2 20070919 EP 2006-707674 20060106
IN 2007CN02997 A 20070907 IN 2007-CN2997 20070705
PRIORITY APPLN. INFO.: US 2005-641715P P 20050106
US 2005-642644P P 20050110
WO 2006-EP50069 W 20060106

L2 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1178956 CAPLUS

DOCUMENT NUMBER: 143:417035

TITLE: Insights into genome plasticity and pathogenicity of
the plant pathogenic bacterium *Xanthomonas campestris*
pv. *vesicatoria* revealed by the complete genome
sequence

AUTHOR(S): Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger,
Carolin; Boch, Jens; Buettner, Daniela; Caldana,
Camila; Gaigalat, Lars; Goesmann, Alexander; Kay,
Sabine; Kirchner, Oliver; Lanz, Christa; Linke,
Burkhard; McHardy, Alice C.; Meyer, Folker;
Mittenhuber, Gerhard; Nies, Dietrich H.;
Niesbach-Kloesgen, Ulla; Patschkowski, Thomas;
Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne;
Schuster, Stephan C.; Vorhoelter, Frank-Joerg; Weber,
Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela;
Kaiser, Olaf

CORPORATE SOURCE: Institut fuer Genetik, Martin-Luther-Universitaet,
Halle, D-06120, Germany

SOURCE: Journal of Bacteriology (2005), 187(21), 7254-7266
CODEN: JOBAAY; ISSN: 0021-9193

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L2 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1042277 CAPLUS

DOCUMENT NUMBER: 143:353281

TITLE: Variants of heterooligomeric microbial toxins with
novel cell targeting and proteolytic activation
behavior for therapeutic use

INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Bugge, Thomas H.

PATENT ASSIGNEE(S): The Government of the United States, as Represented by
the Secretary of Health and Human Services, USA

SOURCE: PCT Int. Appl., 83 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090393	A2	20050929	WO 2005-US4216	20050209
WO 2005090393	A3	20060608		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
 SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG

US 2005255083 A1 20051117 US 2005-55557 20050209
 PRIORITY APPLN. INFO.: US 2004-543417P P 20040209

L2 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:421785 CAPLUS
 DOCUMENT NUMBER: 142:469183
 TITLE: Heparin-binding growth factor modified protein
 matrices containing XIIIa substrate domain for tissue
 repair, regeneration, remodeling and/or drug delivery
 INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;
 Sakiyama-Elbert, Shelly E.
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.;
 Universitat Zurich
 SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
REFERENCE COUNT:	76	THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:859423 CAPLUS
 DOCUMENT NUMBER: 139:359916
 TITLE: Genome of cyanophage S-2L, genes for 2,6-diaminopurine
 and 2,6-diaminopurine nucleotide biosynthesis, and
 encoded proteins
 INVENTOR(S): Marliere, Philippe; Kaminski, Pierre Alexandre;
 Galisson, Frederique; Bouzon, Madeleine; Pochet,
 Sylvie; Weissenbach, Jean; Saurin, William; Robert,
 Catherine; Vico, Virginie
 PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche
 Scientifique CNRS; Genoscope - Centre National de
 Sequencage
 SOURCE: Fr. Demande, 423 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2839079	A1	20031031	FR 2002-5424	20020430
CA 2483706	A1	20031113	CA 2003-2483706	20030428
WO 2003093461	A2	20031113	WO 2003-FR1328	20030428
WO 2003093461	A3	20040401		
WO 2003093461	A8	20040624		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
 PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003249159	A1	20031117	AU 2003-249159	20030428
EP 1499713	A2	20050126	EP 2003-747467	20030428

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 2006270005	A1	20061130	US 2005-510953	20051202
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PRIORITY APPLN. INFO.: FR 2002-5424 A 20020430
 WO 2003-FR1328 W 20030428

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:777435 CAPLUS
 DOCUMENT NUMBER: 139:296919
 TITLE: Growth factor modified protein matrices for tissue
 repair, regeneration, remodeling and/or drug delivery
 INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;
 Sakiyama-Elbert, Shelly E.; Jen, Anna
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich
 Universitat Zurich, Switz.
 SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S.
 Ser. No. 563,760.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187232	A1	20031002	US 2002-323046	20021217
US 6894022	B1	20050517	US 2000-563760	20000501
US 2003166833	A1	20030904	US 2002-325021	20021218
US 7247609	B2	20070724		
JP 2005517658	T	20050616	JP 2003-552958	20021218
MX 2004PA06021	A	20050819	MX 2004-PA6021	20040618
US 2007179093	A1	20070802	US 2007-679807	20070227

PRIORITY APPLN. INFO.: US 1998-141153 B2 19980827
 US 2000-563760 A2 20000501
 US 2001-24918 A2 20011218
 WO 2002-EP12458 A 20021107
 US 2002-323046 A2 20021217
 US 2002-325021 A1 20021218
 WO 2002-US41114 W 20021218

L2 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:326645 CAPLUS

DOCUMENT NUMBER: 138:298934
 TITLE: Nucleic acid and amino acid sequences relating to Pseudomonas aeruginosa for diagnostics and therapeutics
 INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig; Bush, David
 PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA
 SOURCE: U.S., 455 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L2 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:326641 CAPLUS
 DOCUMENT NUMBER: 138:298932
 TITLE: Nucleic acid and amino acid sequences relating to Pseudomonas aeruginosa for diagnostics and therapeutics
 INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig; Bush, David
 PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA
 SOURCE: U.S., 455 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L2 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:320016 CAPLUS
 DOCUMENT NUMBER: 138:316745
 TITLE: Imaging the activity of extracellular proteases in cells using mutant anthrax toxin protective antigens that are cleaved by specific extracellular proteases, and diagnostic and drug screening applications
 INVENTOR(S): Bugge, Thomas H.; Leppla, Stephen H.; Liu, Shi-Hui; Mitola, David
 PATENT ASSIGNEE(S): The Government of the United States of America, as Represented by the Secretary of the Department of Health and Human Services, USA
 SOURCE: PCT Int. Appl., 99 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033648	A2	20030424	WO 2002-US28397	20020905
WO 2003033648	A3	20040617		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002359244	A1	20030428	AU 2002-359244	20020905
US 2005123476	A1	20050609	US 2003-488806	20020905
PRIORITY APPLN. INFO.:			US 2001-317550P	P 20010905
			WO 2002-US28397	W 20020905

L2 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:808456 CAPLUS
DOCUMENT NUMBER: 137:321282
TITLE: Use of mouse genes encoding envelope interacting proteins EIP-1 and EIP-3 for gene therapy using retroviral vectors
INVENTOR(S): Goff, Stephen P.; Li, Xingqiang
PATENT ASSIGNEE(S): The Trustees of Columbia University In the City of New York, USA
SOURCE: U.S., 53 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6469153	B1	20021022	US 1998-82358	19980520
PRIORITY APPLN. INFO.:			US 1998-82358	19980520
REFERENCE COUNT:	16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:582024 CAPLUS
DOCUMENT NUMBER: 135:176459
TITLE: Nucleic acids and their encoded polypeptides from human tissues
INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Drmanac, Radoje T.
PATENT ASSIGNEE(S): Hyseq, Inc., USA
SOURCE: PCT Int. Appl., 1963 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 127
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057188	A2	20010809	WO 2001-US3800	20010205

WO 2001057188 A3 20020228

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1574520 A2 20050914 EP 2005-5504 20010202

EP 1574520 A3 20051221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR

AU 200143142 A 20010814 AU 2001-43142 20010205

US 2003100746 A1 20030529 US 2002-114500 20020401

US 2004219521 A1 20041104 US 2002-128558 20020422

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PRIORITY APPLN. INFO.:

US 2000-496914 A 20000203

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US 2000-488725 A2 20000121

US 2000-491404 B2 20000125

US 2000-543774 B1 20000405

US 2000-552317 B2 20000425

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WO 2001-US14827 A 20010516

US 2001-894912 A1 20010628

US 2001-322511P P 20010913

US 2001-339453P P 20011211

L2 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:565218 CAPLUS

DOCUMENT NUMBER: 135:163405

TITLE: Nucleic acids and their encoded polypeptides from human fetus

INVENTOR(S): Yeung, George; Ford, John E.; Boyle, Bryan J.; Arterburn, Matthew C.; Drmanac, Radoje A.; Tang, Y. Tom; Liu, Chenghua; Asundi, Vinod; Zhou, Ping; Werhman, Tom

PATENT ASSIGNEE(S): Hyseq, Inc., USA; Tang, Y Tom; et al.

SOURCE: PCT Int. Appl., 715 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 127

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001055339	A2	20010802	WO 2001-US2723	20010125
WO 2001055339	A3	20020510		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 200133047	A	20010807	AU 2001-33047	20010125
PRIORITY APPLN. INFO.:			US 2000-491404	A 20000125
			US 2000-663870	A 20000915
			US 2000-707351	A 20001106
			WO 2001-US2723	W 20010125

L2 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:228924 CAPLUS

DOCUMENT NUMBER: 134:265140

TITLE: Mutated anthrax toxin protective antigen proteins that specifically target cells containing high amounts of cell-surface metalloproteinases or plasminogen activator receptors

INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Netzel-Arnett, Sarah; Hansen-Birkedal, Henning; Bugge, Thomas

PATENT ASSIGNEE(S): Government of the United States of America, as Represented by the Secretary, Department of Health and Human Services, USA

SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001021656	A2	20010329	WO 2000-US26192	20000922
WO 2001021656	A3	20020117		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2385122	A1	20010329	CA 2000-2385122	20000922
AU 2001025725	A	20010424	AU 2001-25725	20000922
AU 771632	B2	20040401		
EP 1214340	A2	20020619	EP 2000-989184	20000922
EP 1214340	B1	20041124		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
AT 283280	T	20041215	AT 2000-989184	20000922
PT 1214340	T	20050429	PT 2000-989184	20000922
ES 2233495	T3	20050616	ES 2000-989184	20000922
PRIORITY APPLN. INFO.:			US 1999-155961P	P 19990924

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L2 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1178956 CAPLUS

DOCUMENT NUMBER: 143:417035

TITLE: Insights into genome plasticity and pathogenicity of the plant pathogenic bacterium *Xanthomonas campestris* pv. *vesicatoria* revealed by the complete genome sequence

AUTHOR(S): Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger, Carolin; Boch, Jens; Buettner, Daniela; Caldana, Camila; Gaigalat, Lars; Goesmann, Alexander; Kay, Sabine; Kirchner, Oliver; Lanz, Christa; Linke, Burkhard; McHardy, Alice C.; Meyer, Folker; Mittenhuber, Gerhard; Nies, Dietrich H.; Niesbach-Kloesgen, Ulla; Patschkowski, Thomas; Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne; Schuster, Stephan C.; Vorhoelster, Frank-Joerg; Weber, Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela; Kaiser, Olaf

CORPORATE SOURCE: Institut fuer Genetik, Martin-Luther-Universitaet, Halle, D-06120, Germany

SOURCE: Journal of Bacteriology (2005), 187(21), 7254-7266
CODEN: JOBAAY; ISSN: 0021-9193

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The gram-neg. plant-pathogenic bacterium *Xanthomonas campestris* pv. *vesicatoria* is the causative agent of bacterial spot disease in pepper and tomato plants, which leads to economically important yield losses. This pathosystem has become a well-established model for studying bacterial infection strategies. The whole-genome sequence of the pepper-pathogenic *Xanthomonas campestris* pv. *vesicatoria* strain 85-10, which comprises a 5.17-Mb circular chromosome and four plasmids, is presented. The genome has a high G + C content (64.75%) and signatures of extensive genome plasticity. Whole-genome comparisons revealed a gene order similar to both *Xanthomonas axonopodis* pv. *citri* and *Xanthomonas campestris* pv. *campestris* and a structure completely different from *Xanthomonas oryzae* pv. *oryzae*. A total of 548 coding sequences (12.2%) are unique to *X. campestris* pv. *vesicatoria*. In addition to a type III secretion system, which is essential for pathogenicity, the genome of strain 85-10 encodes all other types of protein secretion systems described so far in gram-neg. bacteria. Remarkably, one of the putative type IV secretion systems encoded on the largest plasmid is similar to the Icm/Dot systems of the human pathogens *Legionella pneumophila* and *Coxiella burnetii*. Comparisons with other completely sequenced plant pathogens predicted six novel type III effector proteins and several other virulence factors, including adhesins, cell wall-degrading enzymes, and extracellular polysaccharides. The genome sequences are deposited in GenBank/EMBL/DDBJ under accession nos. AM039952 (chromosome), AM039948 (plasmid pXCV2), AM039949 (pXCV19), AM039950 (pXCV38), and AM039951 (pXCV183).

REFERENCE COUNT: 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

IT	868336-86-1	868336-87-2	868336-88-3	868336-89-4	868336-90-7
	868336-91-8	868336-92-9	868336-93-0	868336-94-1	868336-95-2
	868336-96-3	868336-97-4	868336-98-5	868336-99-6	868337-00-2
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868337-26-2	868337-27-3	868337-28-4	868337-29-5	868337-30-8
868337-31-9	868337-32-0	868337-33-1	868337-34-2	868337-35-3
868337-36-4	868337-37-5	868337-38-6	868337-39-7	868337-40-0
868337-41-1	868337-42-2	868337-43-3	868337-44-4	868337-45-5
868337-46-6	868337-47-7	868337-48-8	868337-49-9	868337-50-2
868337-51-3	868337-52-4	868337-53-5	868337-54-6	868337-55-7
868337-56-8	868337-57-9	868337-58-0	868337-59-1	868337-60-4
868337-61-5	868337-62-6	868337-63-7	868337-64-8	868337-65-9
868337-66-0	868337-67-1	868337-68-2	868337-69-3	868337-70-6
868337-71-7	868337-72-8	868337-73-9	868337-74-0	868337-75-1
868337-76-2	868337-77-3	868337-78-4	868337-79-5	868337-80-8
868337-81-9	868337-82-0	868337-83-1	868337-84-2	868337-85-3
868337-86-4	868337-87-5	868337-88-6	868337-89-7	868337-90-0
868337-91-1	868337-92-2	868337-93-3	868337-94-4	868337-95-5
868337-96-6	868337-97-7	868337-98-8	868337-99-9	868338-00-5
868338-01-6	868338-02-7	868338-03-8	868338-04-9	868338-05-0
868338-06-1	868338-07-2	868338-08-3	868338-09-4	868338-10-7
868338-11-8	868338-12-9	868338-13-0	868338-14-1	868338-15-2
868338-16-3	868338-17-4	868338-18-5	868338-19-6	868338-20-9
868338-21-0	868338-22-1	868338-23-2	868338-24-3	868338-25-4
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868339-20-2	868339-21-3	868339-22-4		

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
(Biological study)

(amino acid sequence; insights into genome plasticity and pathogenicity
of the plant pathogenic bacterium *Xanthomonas campestris* pv.
vesicatoria revealed by the complete genome sequence)

=> d ibib abs kwic 3

L2 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1042277 CAPLUS

DOCUMENT NUMBER: 143:353281

TITLE: Variants of heterooligomeric microbial toxins with
novel cell targeting and proteolytic activation
behavior for therapeutic use

INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Bugge, Thomas H.

PATENT ASSIGNEE(S): The Government of the United States, as Represented by
the Secretary of Health and Human Services, USA

SOURCE: PCT Int. Appl., 83 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090393	A2	20050929	WO 2005-US4216	20050209
WO 2005090393	A3	20060608		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

US 2005255083 A1 20051117 US 2005-55557 20050209
PRIORITY APPLN. INFO.: US 2004-543417P P 20040209

AB Methods of modifying heterooligomeric bacterial toxins for therapeutic use are described. The methods involve two modifications of which one is substituting the targeting domain of the target binding subunit to give it a novel cell- or tissue-specificity. The second modification involves changing the proteinase cleavage site of one of the subunits to make it activatable by a novel proteinase, such as one found in the target tissue. In the case of anthrax toxin, where the protective antigen forms a heptamer, more than one variant with a different activation cleavage site can be used. This would limit the formation of the active heptamer to tissues where all the necessary proteinases are present. The development of variants of protective antigen requiring proteolytic activation by a matrix metalloproteinase, urokinase, or furin is demonstrated. Use of these variants in combination to create a heptamer capable of binding lethal factor and killing host cells is demonstrated.

IT 331809-95-1D, toxin subunits containing 331809-96-2D, toxin subunits containing 865709-50-8D, toxin subunits containing 865709-51-9D, toxin subunits containing

RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(amino acid sequence, proteinase cleavage site; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)

IT 865733-10-4 865733-12-6 865733-14-8 865733-16-0
865733-18-2 865733-20-6

RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(amino acid sequence; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)

IT 865735-56-4 865735-58-6 865735-60-0 865735-61-1

RL: PRP (Properties)

(unclaimed protein sequence; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)

=> d ibib abs kwic 4

ACCESSION NUMBER: 2005:421785 CAPLUS
 DOCUMENT NUMBER: 142:469183
 TITLE: Heparin-binding growth factor modified protein
 matrices containing XIIIa substrate domain for tissue
 repair, regeneration, remodeling and/or drug delivery
 INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;
 Sakiyama-Elbert, Shelly E.
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.;
 Universitat Zurich
 SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 7
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501

AB Proteins are incorporated into protein or polysaccharide matrixes for use
 in tissue repair, regeneration and/or remodeling, and/or drug delivery.
 The proteins can be incorporated so that they are released by degradation of
 the matrix, enzymic action, and/or diffusion. As demonstrated by the
 examples, one method is to bind heparin to the matrix by either covalent
 or non-covalent methods, to form a heparin-matrix. The heparin then
 non-covalently binds heparin-binding growth factors to the protein matrix.
 Alternatively, a fusion protein can be constructed which contains a
 crosslinking region such as a factor XIIIa substrate and the native
 protein sequence. Degradable linkages may be included between the
 crosslinking region and the bioactive factor. Incorporation of degradable
 linkages between the matrix and the bioactive factors can be particularly
 useful when long-term drug delivery is desired, for example in the case of
 nerve regeneration, where it is desirable to vary the rate of drug release
 spatially as a function of regeneration, e.g. rapidly near the living
 tissue interface and more slowly farther into the injury zone. Addnl.
 benefits include the lower total drug dose within the delivery system, and
 spatial regulation of release which permits a greater percentage of the
 drug to be released at the time of greatest cellular activity.

REFERENCE COUNT: 76 THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 37520-01-7DP, fusion products 109081-50-7DP, fusion products
 607679-51-6DP, fusion products 607679-52-7DP, fusion products
 607679-53-8DP, fusion products 607679-54-9DP, fusion products
 607679-55-0DP, fusion products 607679-56-1DP, fusion products
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
 PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); USES (Uses)
 (amino acid sequence, protease substrate; heparin-binding growth factor
 modified protein matrixes containing XIIIa substrate domain for tissue
 repair, regeneration, remodeling and/or drug delivery)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	27.20	57.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

FILE 'REGISTRY' ENTERED AT 13:24:28 ON 20 SEP 2007
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3
 DICTIONARY FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> S 607679-56-1/RN

L3 1 607679-56-1/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
 SET COMMAND COMPLETED

=> D L3 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
 THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 607679-56-1 REGISTRY
 CN Glycine, L-prolylglycyl-L-serylglycyl-L-arginyl-L-seryl-L-alanyl-L-seryl-
 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17: PN: US20060148704 SEQID: 17 claimed protein
 CN 9: PN: US20030187232 SEQID: 9 unclaimed sequence
 CN 9: PN: US6894022 SEQID: 9 claimed sequence
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9

PATENT ANNOTATIONS (PNTE):

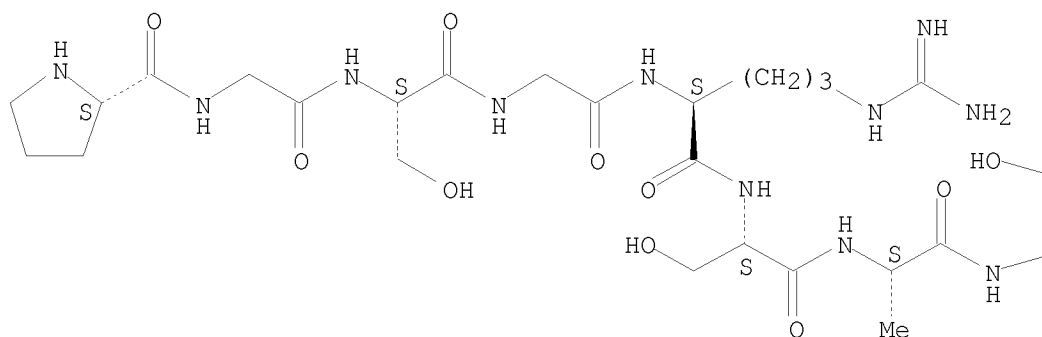
Sequence	Patent
Source	Reference
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Not Given	US2003187232
	unclaimed

|SEQID 9

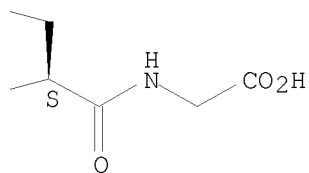
SEQ 1 PGSGRSASG
MF C29 H50 N12 O13
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 13:20:22 ON 20 SEP 2007)

L1 FILE 'REGISTRY' ENTERED AT 13:20:57 ON 20 SEP 2007
13 S PGSGRSA/SQSP

L2 FILE 'CAPLUS' ENTERED AT 13:21:18 ON 20 SEP 2007
13 S L1

L3 FILE 'REGISTRY' ENTERED AT 13:24:28 ON 20 SEP 2007
1 S 607679-56-1/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

=> s l3 adn l2
MISSING OPERATOR

=> s l3 and l2
L4 1 L3 AND L2

=> d sql seq

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
SQL 9

SEQ 1 PGSGRSASG
=====

HITS AT: 1-7

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	13.47	70.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

STN INTERNATIONAL LOGOFF AT 13:26:10 ON 20 SEP 2007